

Fig. 4

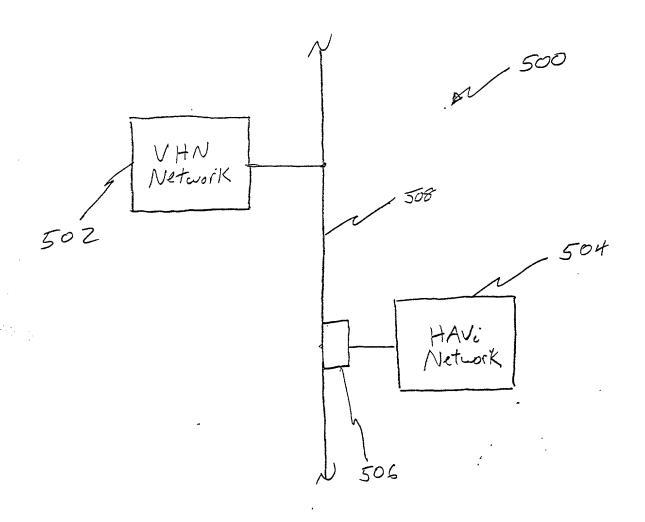
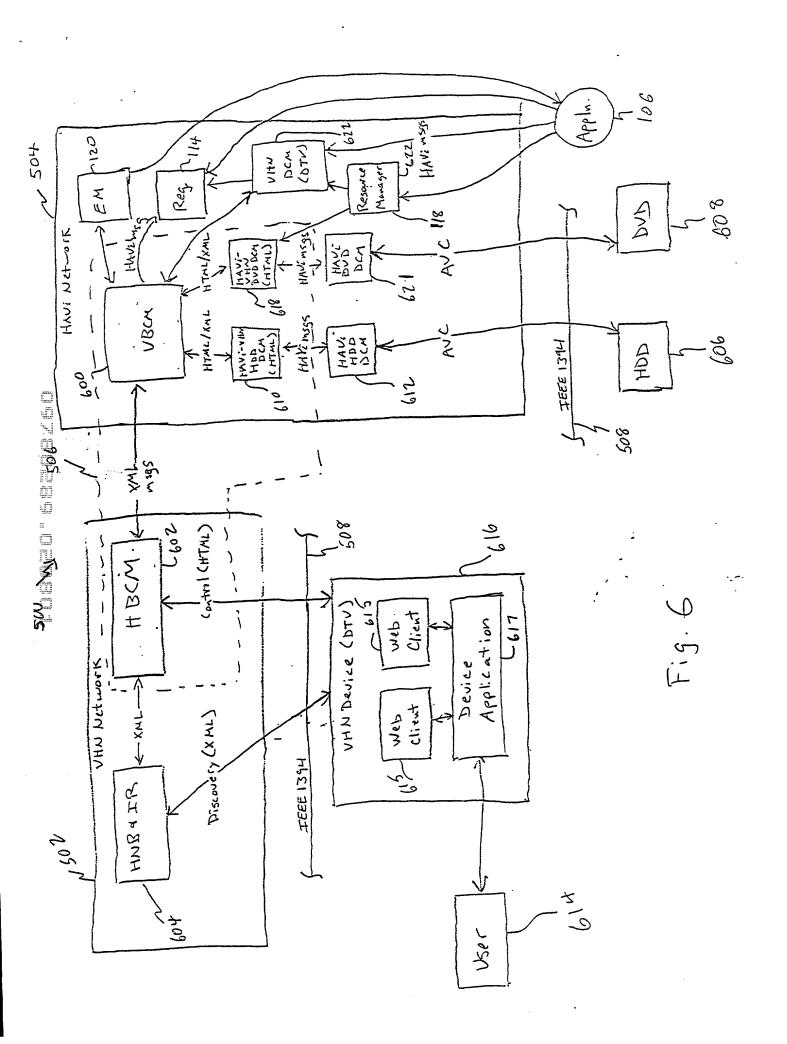


Fig. 5



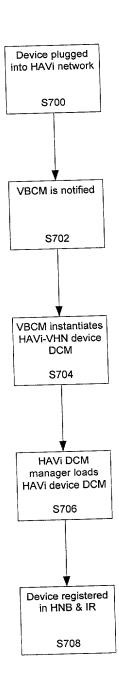


Fig. 7

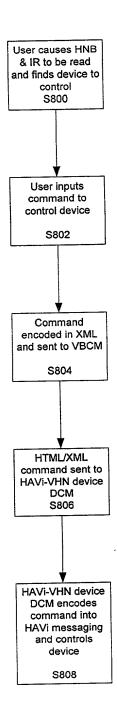


Fig. 8

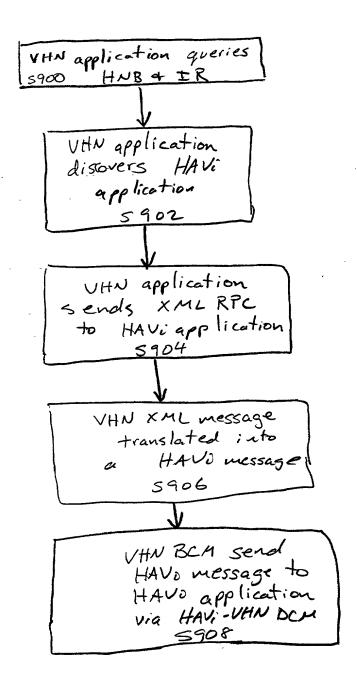


Fig. 9

VHN device queries HNB + IR 5 1000 UHN device sends XML message. to UHN BCM 51002 VHN BCM reformats XML Message into HAVO message 51004 HAVI DCM sends HAVI MESSAGE +0 UHNBCM 5,006 VHN BCM translates HAVI message into is sent to UHN device 5 1008

Fig. 10

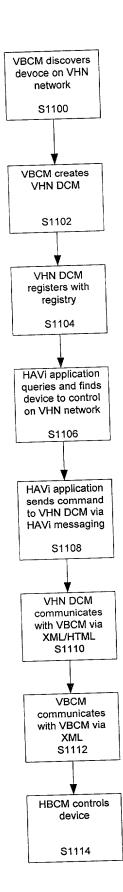


Fig. 11

HAVi application queries HAVi registry 51200 TAVi application Sends messages to HAVI-VHN DCM 51202 VHN HAVE-VHN Dem translates HAVE message toxML 51204 VHN BCM translates the XUL to HAVi and send to HAVi appln. 51206

Fig. 12

HAVI device sends message to VHNdevice 5 1300 VHN device's HAVE-VHN DCM translates HAVi to XML message 51302 VHN device gends XML response 51304 VHN BCM franslates XML to HAVE VIA HAVE - VHN DCM 51306 VHN BCM sends HAV, message to HAVE DOM

Fig. 13

HAVI device gets SEID from HAVI registry & Sends message 1400 VHN application sends
HAVi message to
VHN BCM 51402 VHN DCM sends XML message to VHN applications